

IN THE CLAIMS

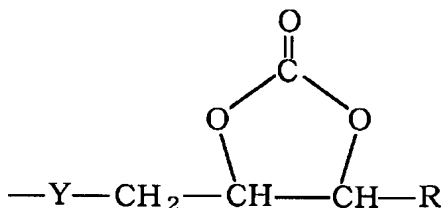
Please amend the claims as follows:

1. (Currently Amended) An electrolyte composition comprising a polymer component (A) having a weight average molecular weight of 10,000 to 5,000,000 and an electrolyte component (C), wherein:

said polymer component (A) is:

(A-1) a (co)polymer comprising at least one cyclocarbonato group represented by formula (1), obtained by reacting carbon dioxide with a (co)polymer represented by formula 2 ~~which comprises at least one epoxy group~~, and/or

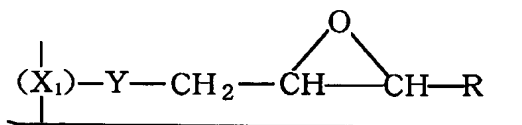
(A-2) a (co)polymer obtained by (co)polymerizing a monomer comprising at least one cyclocarbonato group represented by the below-described formula (1), which has been obtained by reacting carbon dioxide with a monomer represented by formula 3 ~~containing at least one epoxy group~~



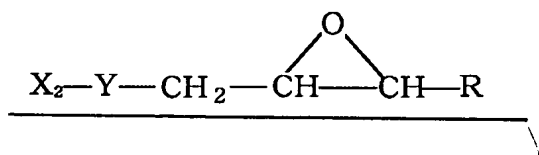
Formula (1):

~~wherein Y represents a connecting group to the backbone of the corresponding (co)polymer (A-1) or (A-2), and R represents a hydrogen atom or an alkyl group having 1 to 3 carbon atoms,~~

Formula (2)



Formula (3)



wherein R represents a hydrogen atom or an alkyl group having 1 to 3 carbon atoms, X₁ represents a polymerization residual group of an α,β -unsaturated carboxylic acid, X₂ represents a reaction residual group of an α,β -unsaturated carboxylic acid, and Y represents -CO'O-.

2. (Cancelled)

3. (Currently Amended)) An electrolyte composition according to claim 2 1, wherein each of said α,β -unsaturated carboxylic acids is at least one α,β -unsaturated carboxylic acid selected from the group consisting of acrylic acid, methacrylic acid, crotonic acid, maleic acid, fumaric acid and itaconic acid.

4. (Previously Presented) An electrolyte composition according to claim 1, wherein said polymer component (A) is said (co)polymer A-1 and said (co)polymer which comprises at least one epoxy group is a homopolymer of glycidyl methacrylate or a copolymer of glycidyl methacrylate and another one or more monomer(s).

5. (Previously Presented) An electrolyte composition according to claim 1, wherein said polymer component (A) comprises a noncrosslinked (co)polymer.

6. (Cancelled)

7. (Cancelled)

8. (Original) An electrolyte composition according to claim 1, wherein said electrolyte component (C) is at least one compound selected from the group consisting of compounds which form lithium ions, sodium ions, potassium ions, ammonium ions or tetraalkylammonium ions.

9. (Original) An electrolyte composition according to claim 8, wherein said electrolyte component (C) is at least one compound selected from the group consisting of lithium bromide, lithium iodide, lithium thiocyanate, lithium perchlorate, lithium

tetrafluoroborate, lithium hexafluorophosphate, lithium trifluoromethanesulfonate, lithium bis(trifluoromethanesulfonyl)amide, tetraethylammonium perchlorate, tetraethylammonium tetrafluoroborate, and tetraethylammonium hexafluorophosphate.

10. (Original) An electrolyte composition according to claim 1, further comprising at least one organic solvent selected from the group consisting of ethylene carbonate, propylene carbonate, dimethyl carbonate, diethyl carbonate, methyl ethyl carbonate, vinylene carbonate, γ -butyrolactone, diphenyl carbonate and high molecular weight solvents each having one cyclocarbonato group in a molecule.

11. (Previously Presented) An electrolyte film comprising an electrolyte composition according to Claim 1.

12. (Previously Presented) An electrolyte film according to claim 11 wherein said electrolyte film comprises an organic solvent and is in a wet state.

13. (Previously Presented) An electrolyte film according to claim 11 wherein said electrolyte film is retained in shape by at least one shape-retaining material selected from a woven fabric, a nonwoven fabric, a woven and/or nonwoven, bonded fabric, and a porous polyolefin film.

14. (Previously Presented) A battery or electric double layer capacitor comprising an electrolyte composition according to Claim 1.

15. (Previously Presented) A battery or electric double layer capacitor comprising an electrolyte film according to Claim 11.

16. – 21. (Cancelled)

22. (Previously Presented) An electrolyte composition according to claim 1, wherein said polymer component (A) comprises a crosslinked (co)polymer.

23. (Previously Presented) An electrolyte composition according to claim 1, wherein said polymer component (A) comprises a noncrosslinked (co)polymer and a crosslinked (co)polymer.

24. (Cancelled)

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25. (Cancelled)

26. (Cancelled)